

FIG. 1

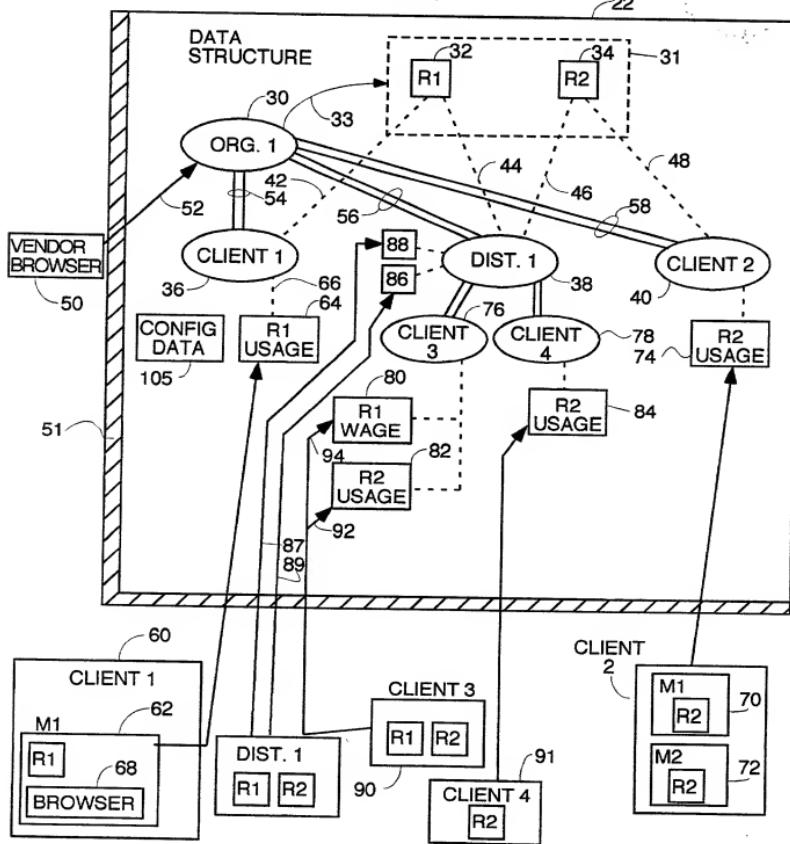


FIG. 2

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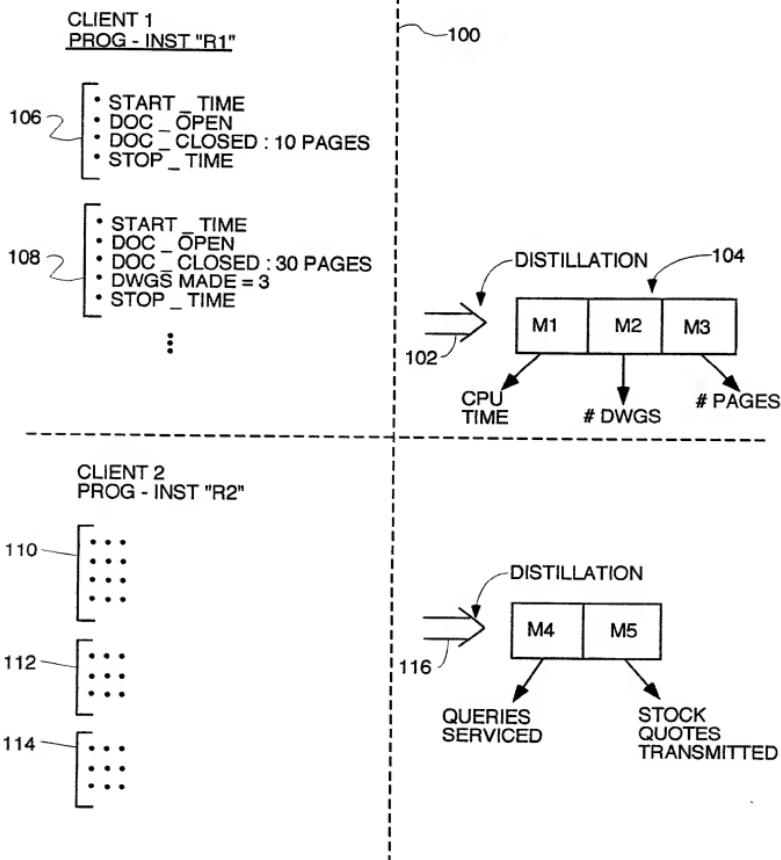


FIG. 3

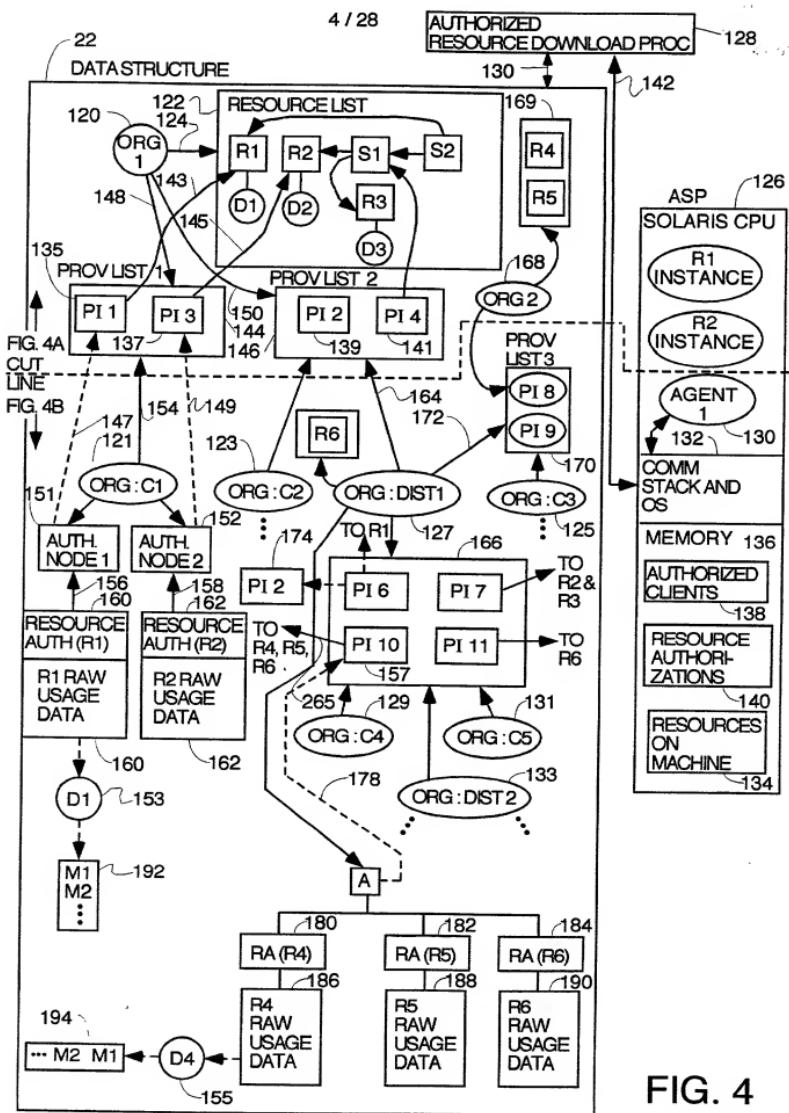


FIG. 4

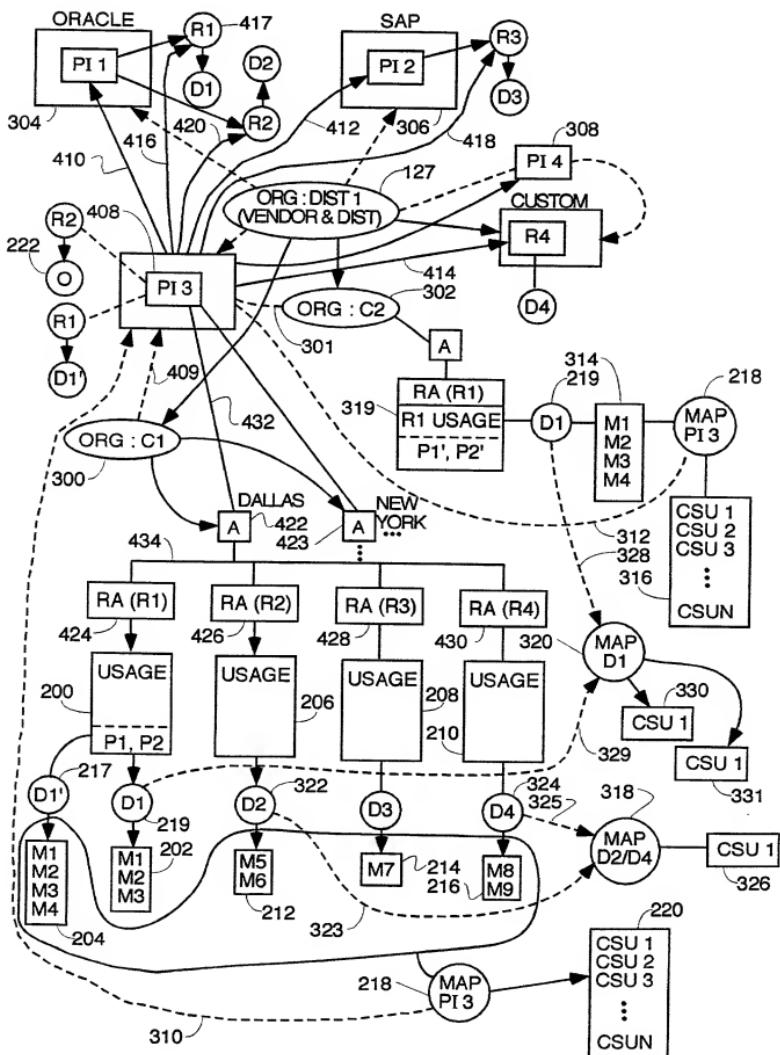


FIG. 5

OVERALL PROCESS TO DISTILL RAW USAGE DATA TO METRIC DATA
BY A PROGRAMMABLE MAPPING

10002557-000001

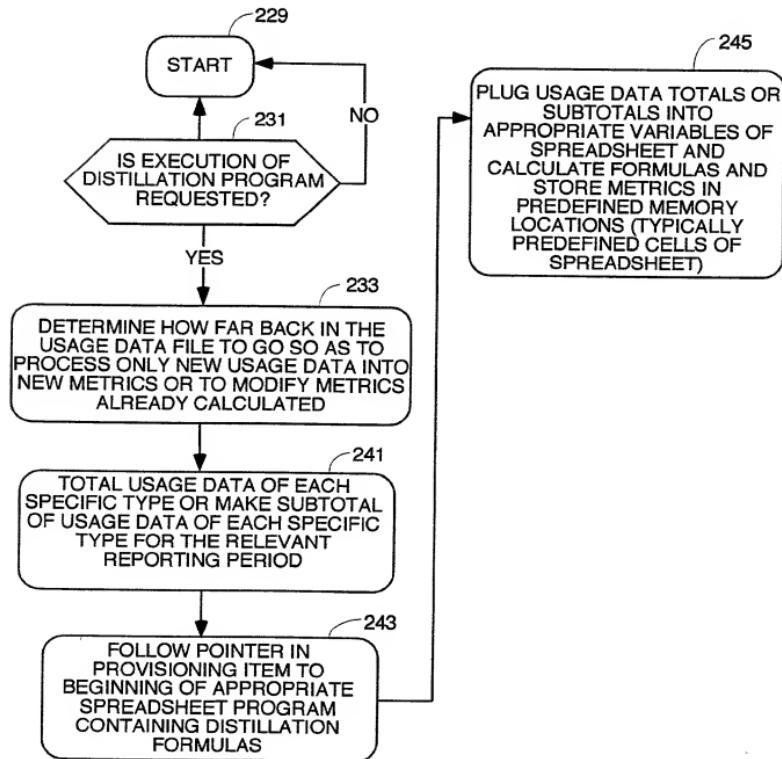


FIG. 6A

OVERALL PROCESS TO DISTILL RAW USAGE DATA TO METRIC DATA
BY A PROGRAMMABLE MAPPING USING A PROGRAMMABLE DISTILLATION PGM

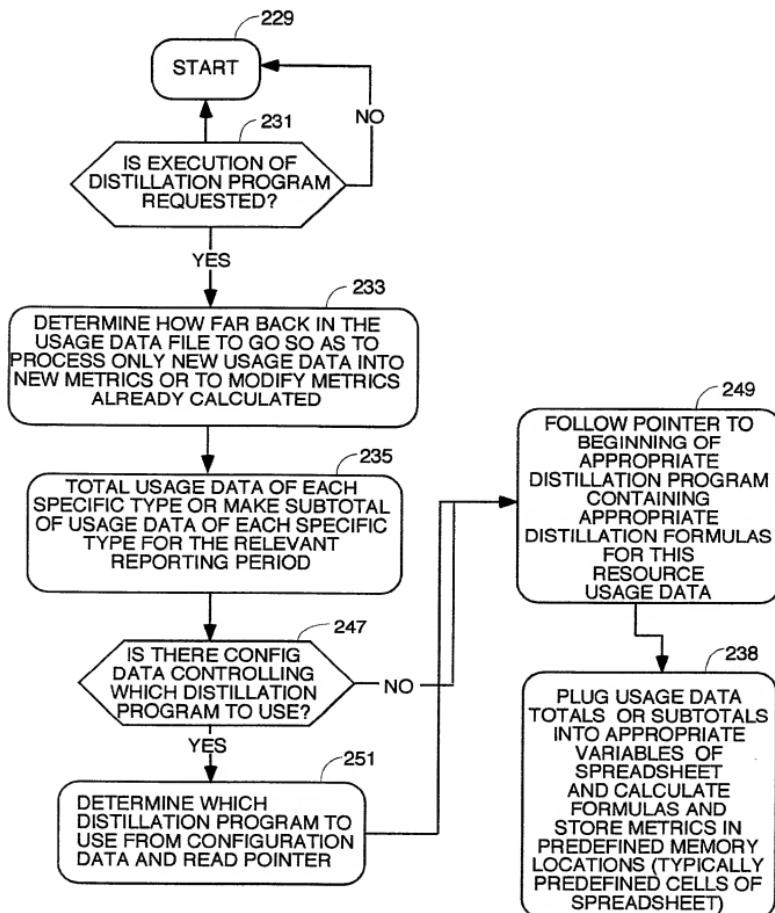


FIG. 6B

PROCESS TO PROGRAMMABLY DISTILL RAW USAGE DATA TO METRICS AND
PROGRAMMABLY DISTILL THE METRICS INTO CENTRAL SERVICE UNITS
OF THE CUSTOMER'S DESIGN

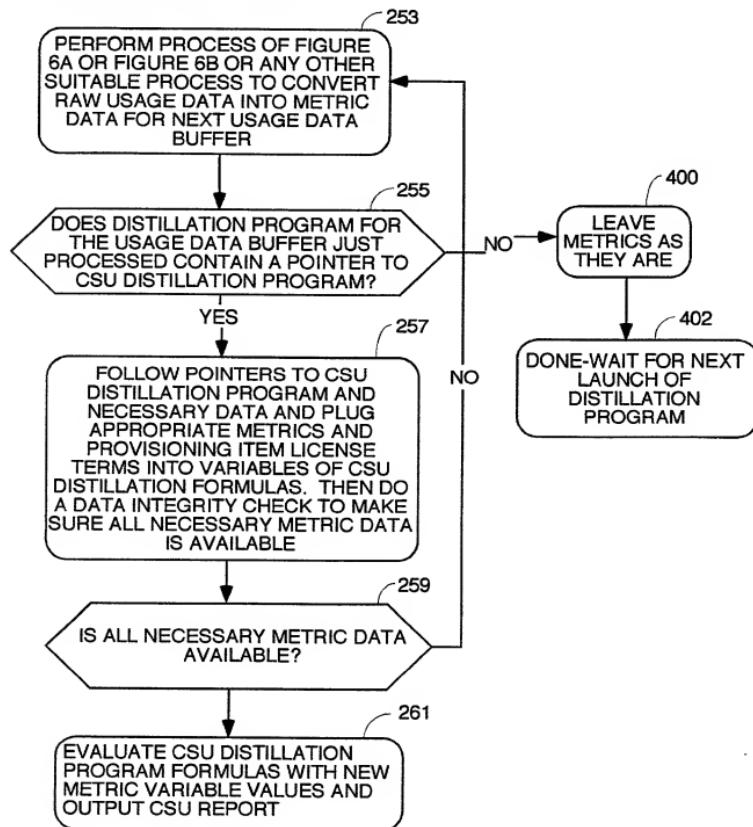


FIG. 7

OVERALL PROCESS TO COLLECT RAW USAGE DATA IN A CENTRAL SERVER
AND USE IT TO PREPARE METRICS AND PREPARE INVOICES OR REPORTS
THEREFROM

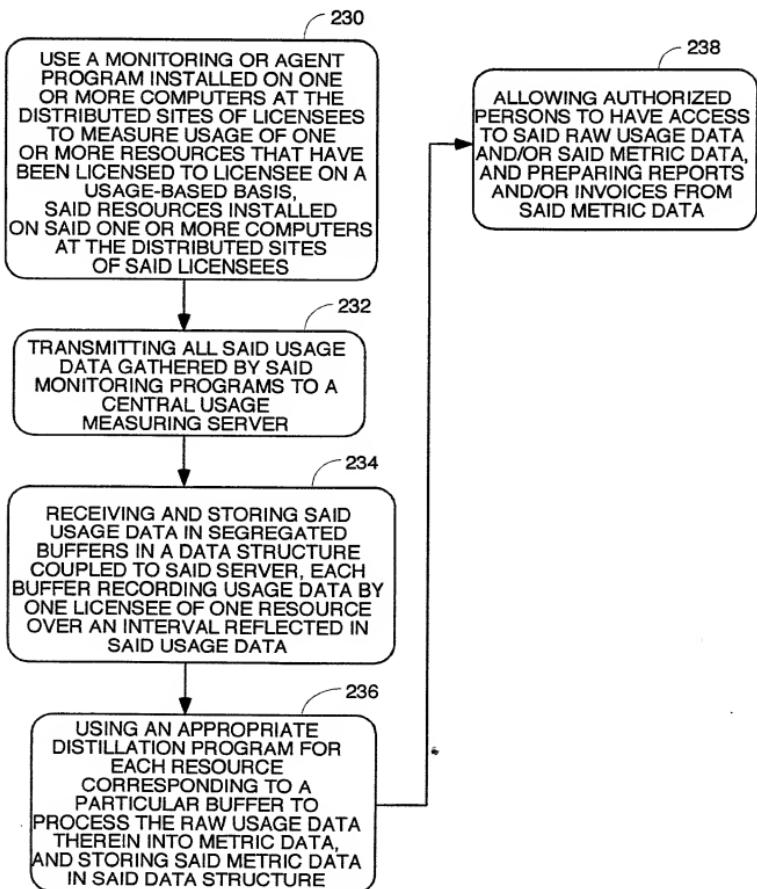
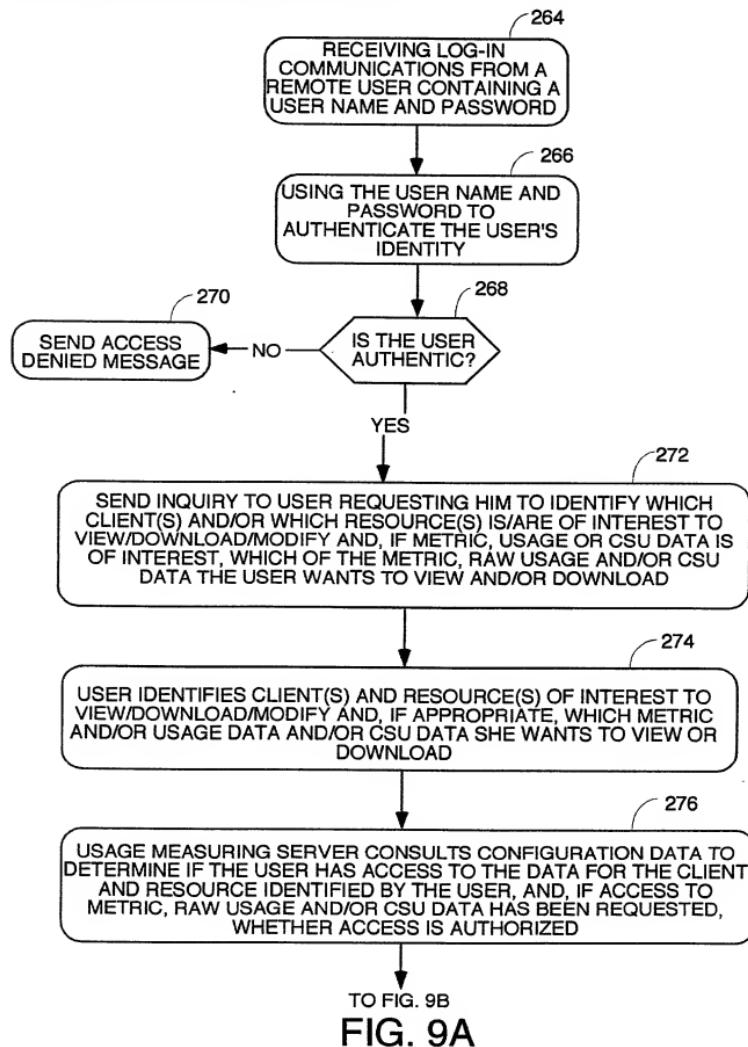


FIG. 8

PROCESS TO BUILD USAGE MEASURING SERVER DATA STRUCTURE AND
ALLOW RESTRICTED ACCESS THERETO



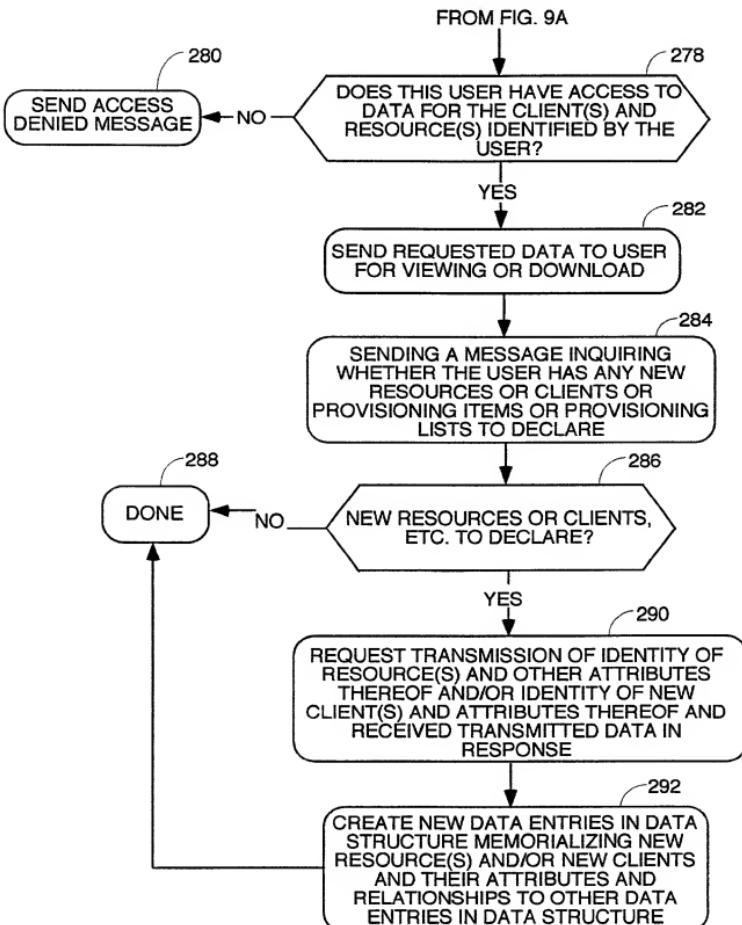


FIG. 9B

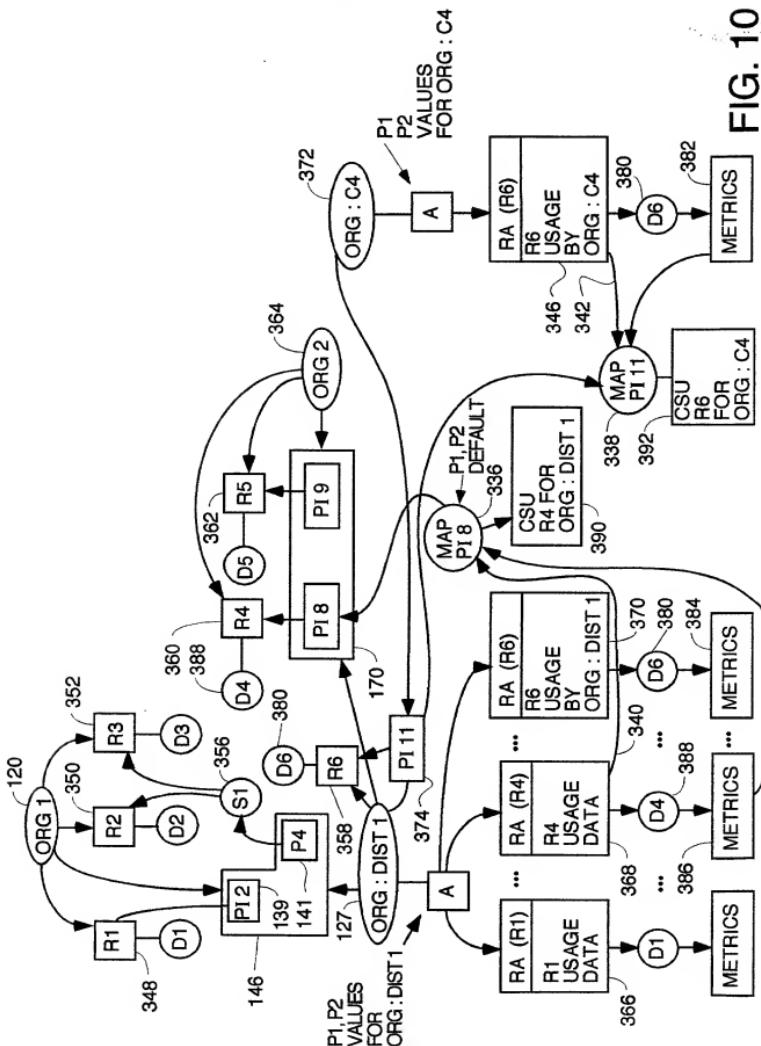


FIG. 10

ALTERNATIVE PROCESS TO PROGRAMMABLY DISTILL RAW USAGE DATA TO METRICS AND PROGRAMMABLY DISTILL THE METRICS INTO CENTRAL SERVICE UNITS USING A CSU DISTILLATION PROGRAM LINKED TO PROVISIONING ITEM DETAILING LICENSE TERMS

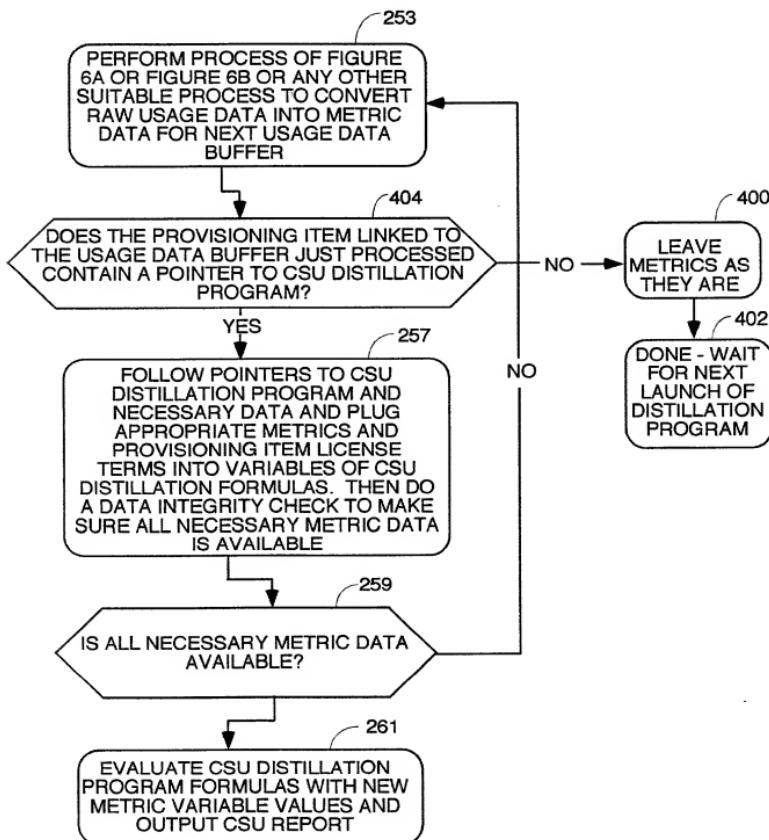


FIG. 11

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ALTERNATIVE PROCESS TO PROGRAMMABLY DISTILL RAW USAGE DATA TO METRICS AND PROGRAMMABLY DISTILL THE METRICS INTO CENTRAL SERVICE UNITS USING A CSU DISTILLATION PROGRAM LINKED TO THE USAGE DATA BUFFER OF EACH CLIENT THAT WANTS CSU BASED REPORTS

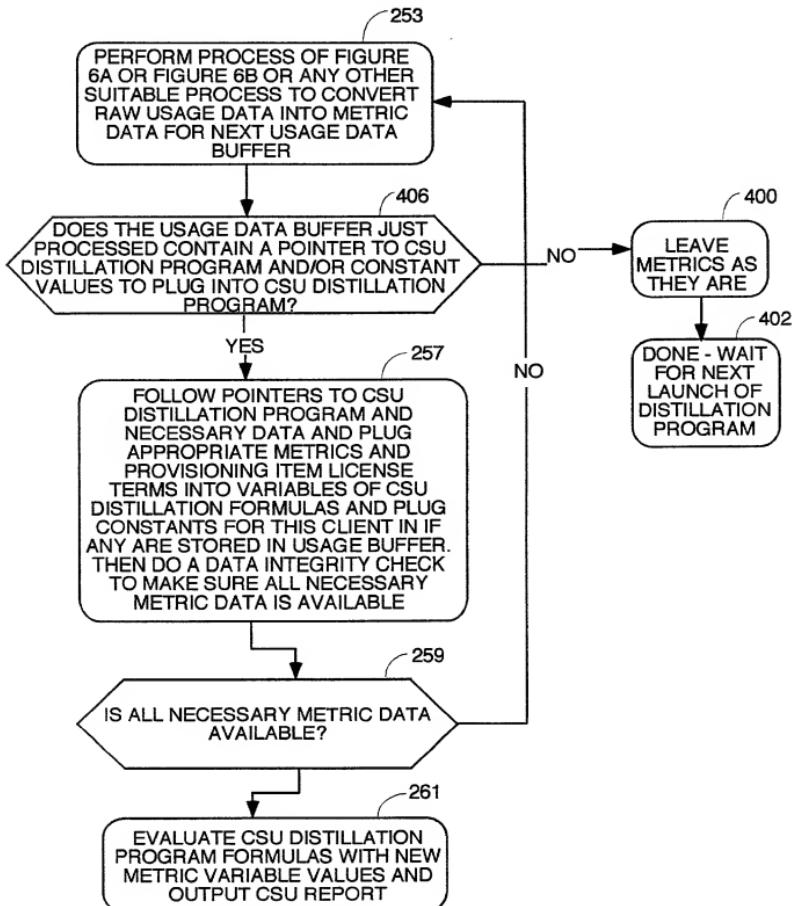


FIG. 12

PROCESS TO CREATE DATA STRUCTURE TO SUPPORT SUITE LICENSING AND
TO USE THE DATA STRUCTURE TO IMPLEMENT SUITE LICENSING

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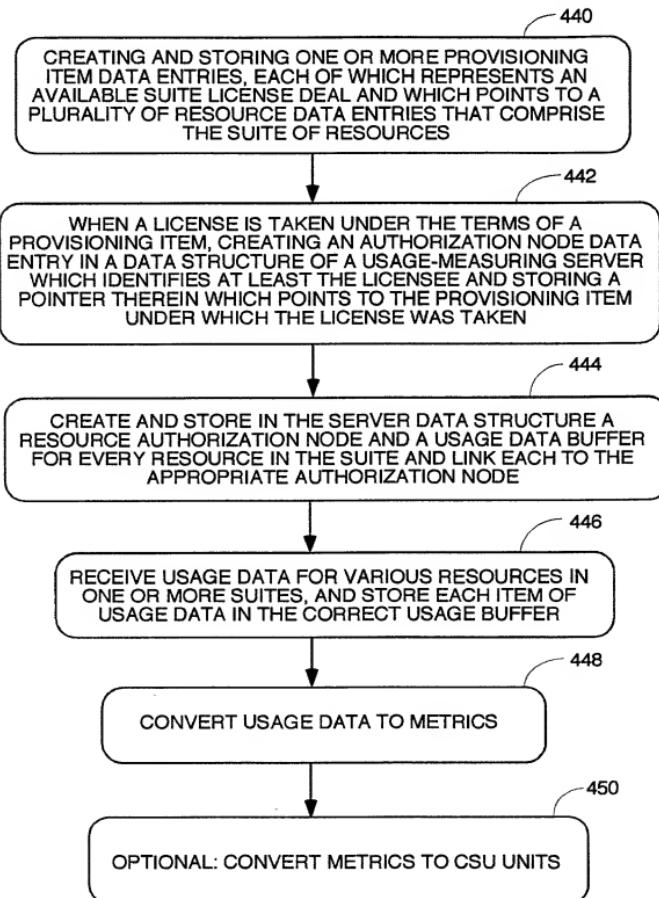


FIG. 13

ONE STOP SHOPPING PROCESS TO DETERMINE ALL AVAILABLE LICENSE DEALS ON A PARTICULAR RESOURCE

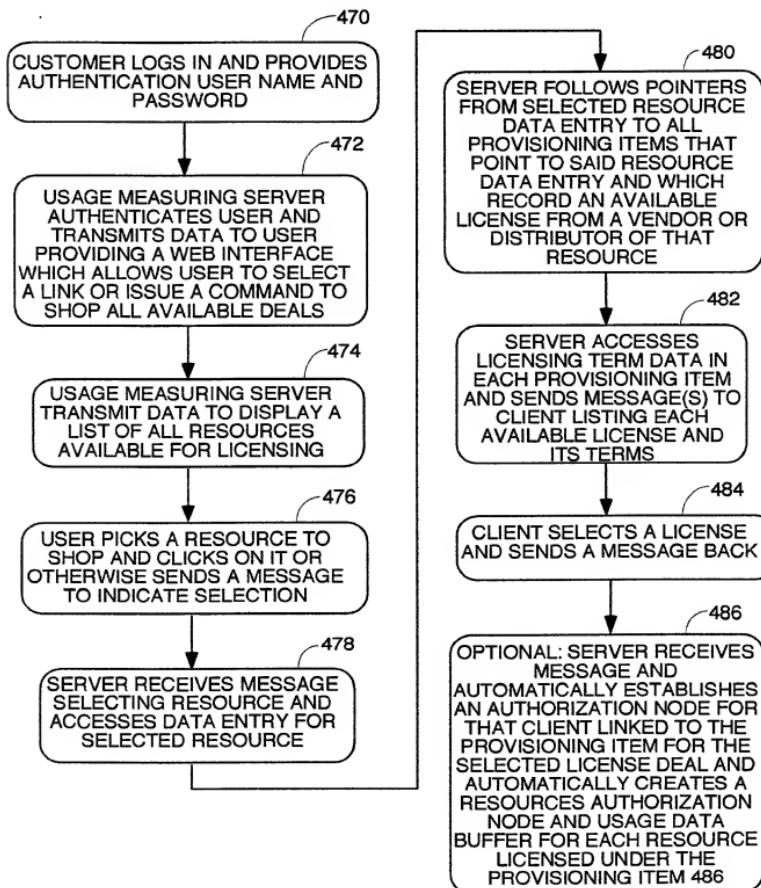


FIG. 14

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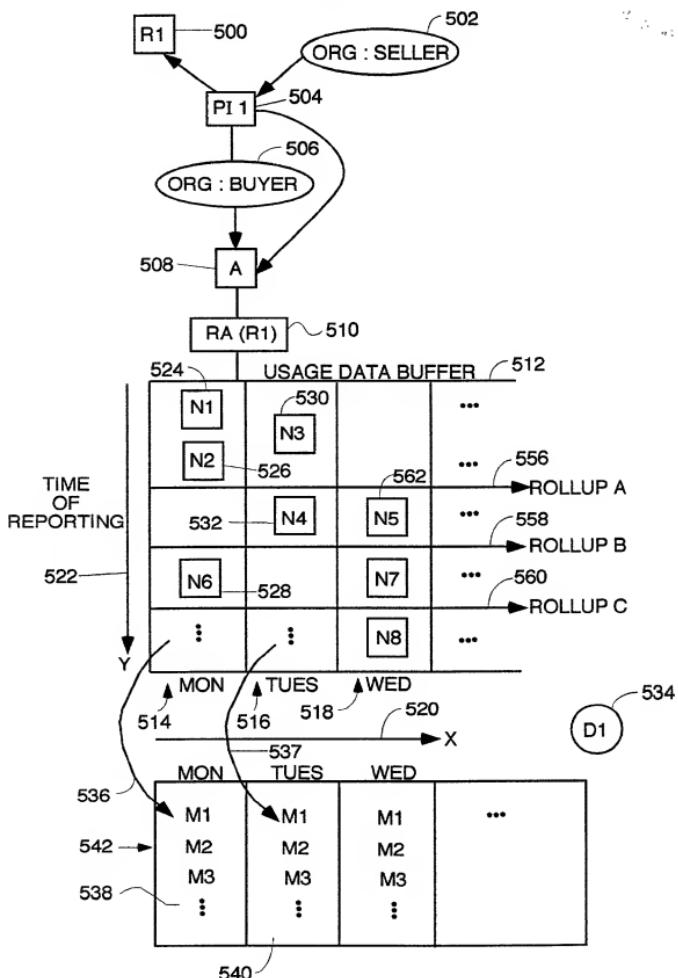


FIG. 15

PROCESS TO COLLECT USAGE DATA, PARTITION IT INTO TIME SEGMENTS
AND GENERATE METRICS THEREFROM

1002557-002557

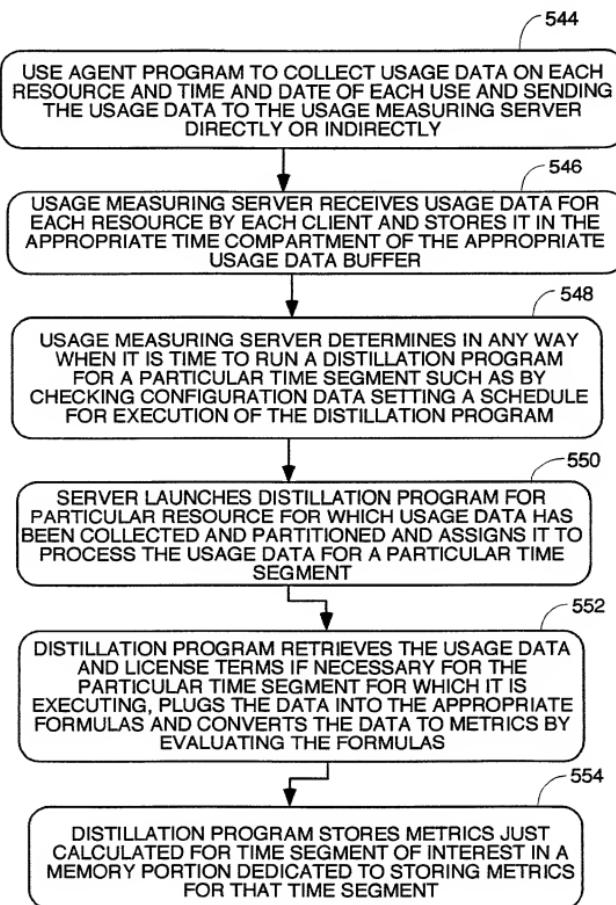


FIG. 16

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ROLLUP A ID 39			
	MON	TUES	WED
M1= CPU	10	1	0
M2= DOCS	500	50	0
M3= #PGS	759	71	0

	⋮	⋮	⋮

ALTERNATIVE ROLLUP B ID 40			
	MON	TUES	WED
	0	3	2
	0	70	40
	0	139	96

FIG. 17

FIG. 18

PREFERRED ROLLUP B ID 50

	MON	TUES	WED
	10	4	2
	500	120	40
	759	210	96

FIG. 19

ALTERNATIVE ROLLUP B ID 40

	MON	TUES	WED
	0	4	2
	0	120	40
	0	210	96

FIG. 20

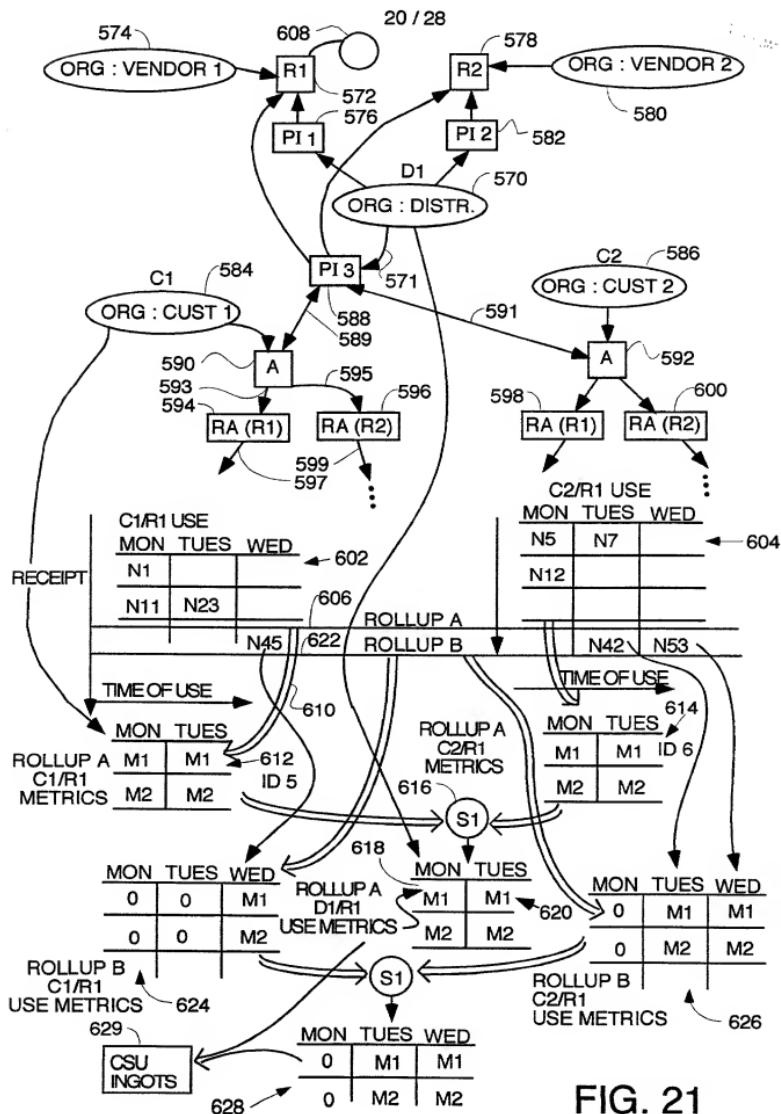


FIG. 21

PROCESS FOR ONE PROTOCOL ACCESS TO USAGE/METRIC/CSU DATA
FOR ALL LICENSEES OF A LICENSOR FROM A USAGE MEASURING SERVER

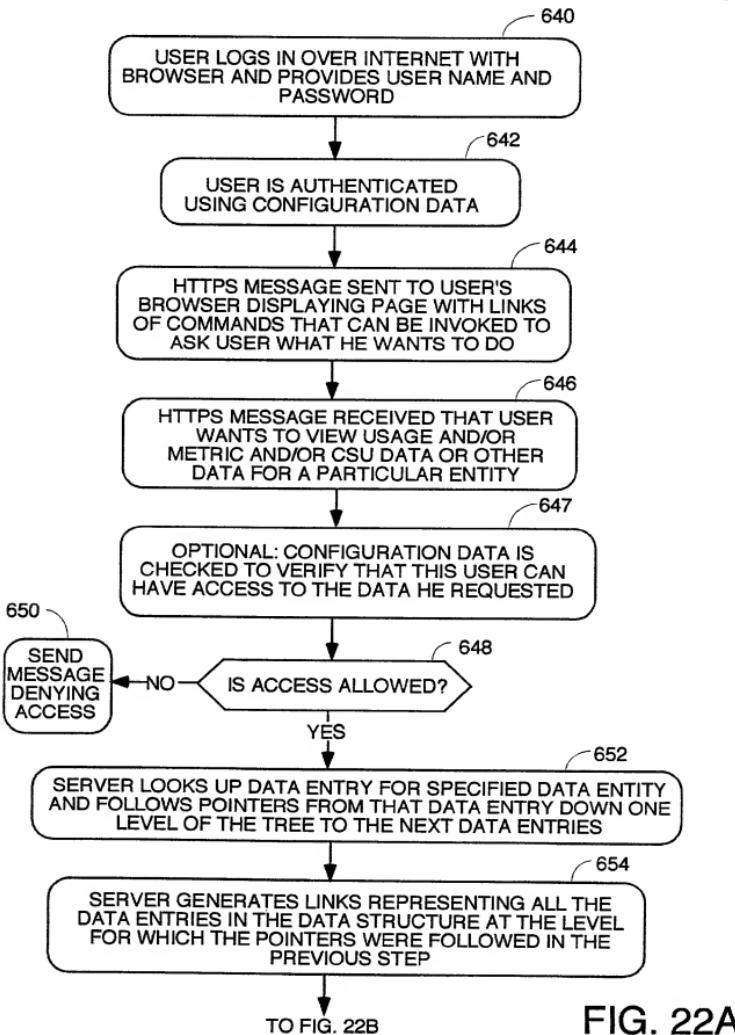


FIG. 22A

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FROM FIG. 22A

656
SERVER SENDS THESE LINKS BACK IN HTTPS MESSAGE(S) WHICH
CAUSE THE USER'S COMPUTER TO DISPLAY THE LINKS PREFERABLY
WITH DESCRIPTIVE TEXT WHICH DESCRIBES WHAT EACH DATA
ENTRY REPRESENTED BY A LINK IS

658
SERVER RECEIVES HTTPS MESSAGE(S) BACK FROM USER INDICATING
WHICH LINKS USER SELECTED INDICATING WHICH DATA USER
WISHES TO SEE

660
SERVER ACCESSES WHATEVER TYPE OF DATA USER SELECTED
AND SENDS IT TO USER IN HTTPS MESSAGE(S) FOR DISPLAY ON
USER COMPUTER

662
THE SERVER SENDS AN HTTPS MESSAGE TO USER ASKING IF
THE USER WANTS TO SEE MORE DATA BELOW THE LEVEL OF
THE TREE JUST DISPLAYED

664
SERVER RECEIVES MESSAGE INDICATING USER WANTS TO
SEE MORE DATA

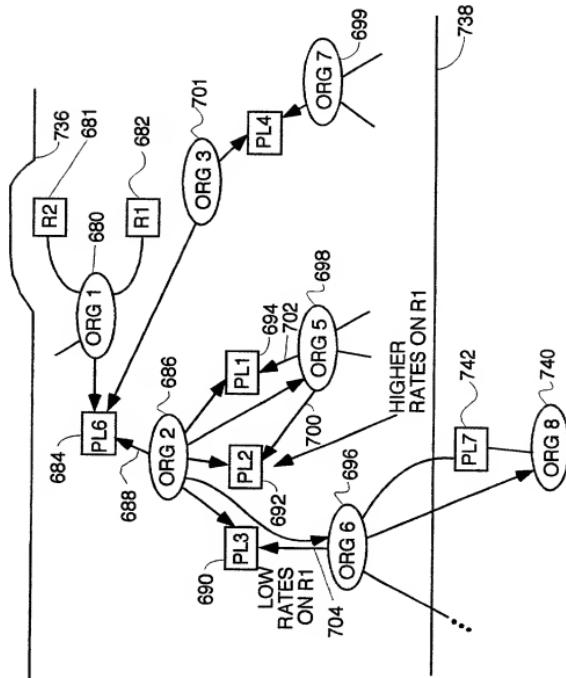
666
SERVER FOLLOWS LINKS FROM DATA ENTRY OR ENTRIES
JUST DISPLAYED DOWN ONE MORE LEVEL OF TREE AND
GENERATES LINKS FOR THE DATA ENTRY OR ENTRIES SO
FOUND

668
SERVER SENDS HTTPS MESSAGE TO USER CAUSING LINKS
SO GENERATED TO BE DISPLAYED BY USER'S BROWSER,
PREFERABLY ALONG WITH DESCRIPTIVE TEXT INDICATING
WHAT DATA EACH LINK REPRESENTS

670
SERVER RECEIVES MESSAGE INDICATING WHICH DATA USER
WANTS TO SEE, SENDS IT TO USER, INQUIRES WHETHER HE
WANTS TO SEE MORE AND REPEATS PROCESS TILL ALL LEVELS
OF TREE EXHAUSTED OR USER QUILTS

FIG. 22B

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SECURITY BARRIERS
FIG. 23

A PROCESS TO IMPLEMENT SECURITY BARRIERS TO PREVENT USERS FROM
VIEWING DATA IN A USAGE MEASURING SERVER DATA STRUCTURE THAT THE
USER NOT AUTHORIZED TO VIEW

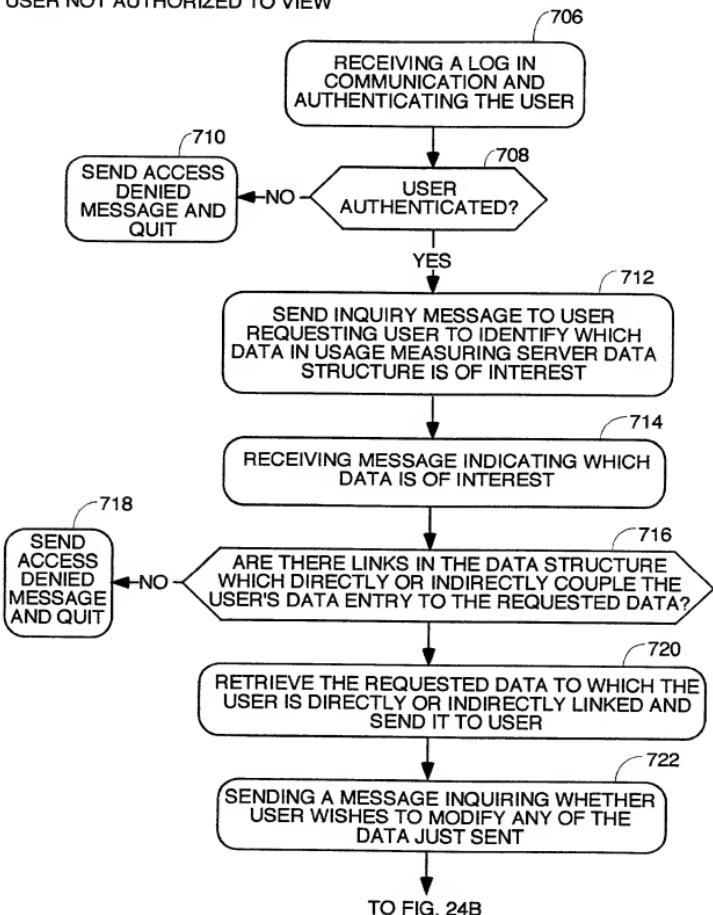


FIG. 24A

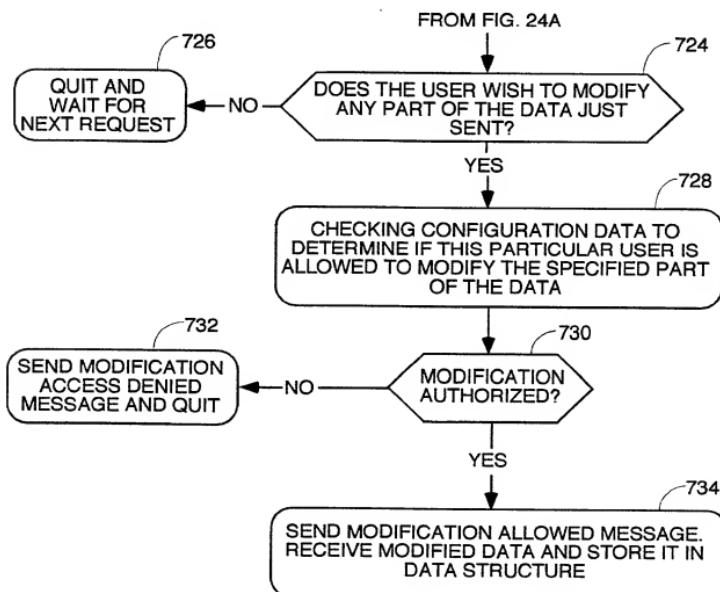


FIG. 24B

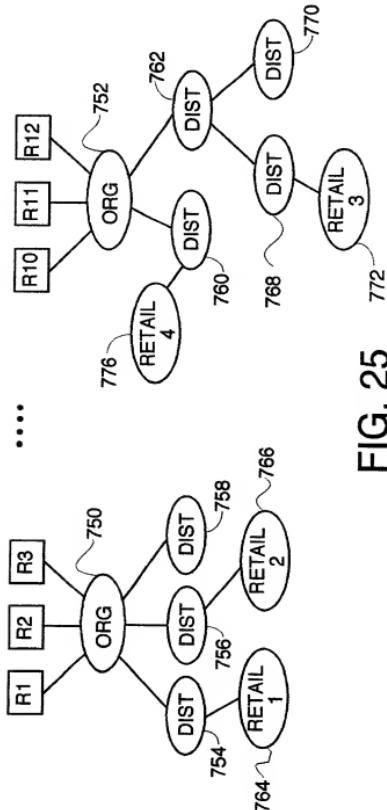


FIG. 25

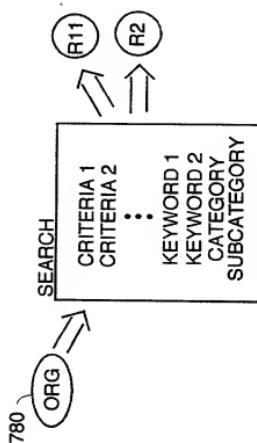


FIG. 26

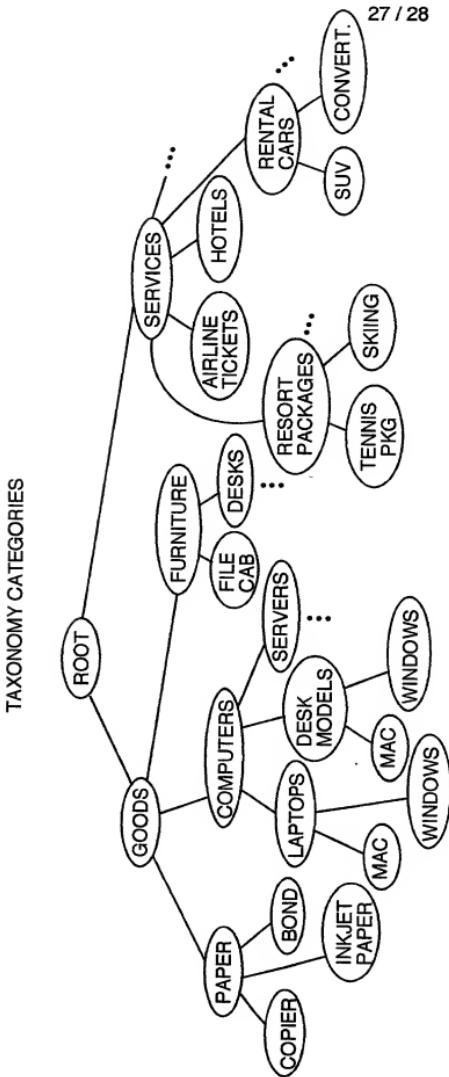


FIG. 27

SERVER PROCESSING TO IMPLEMENT ONE-STOP SHOPPING SEARCHING OF
THE DATA STRUCTURE BASED UPON USER-DEFINED CRITERIA

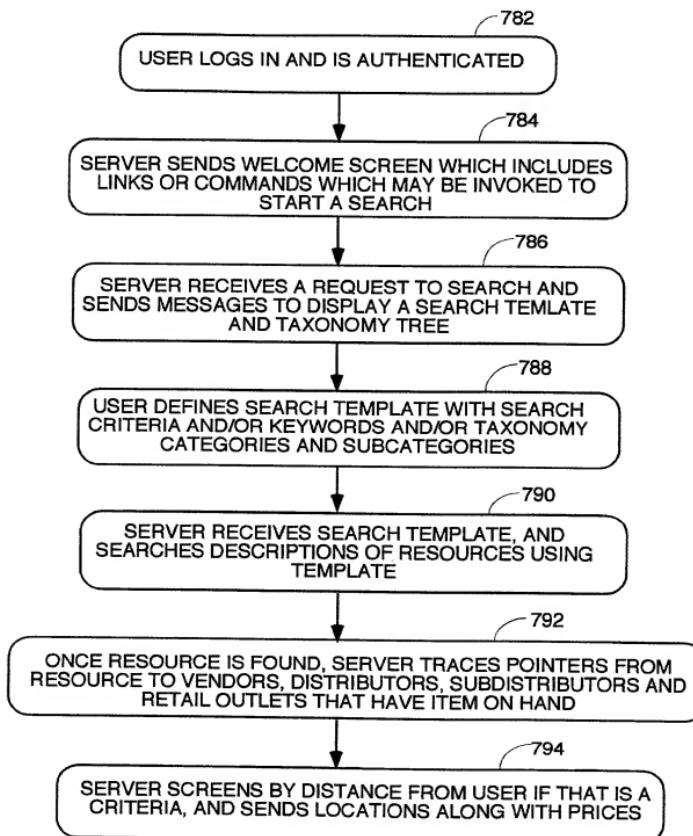


FIG.28